FORM PTO-1390 (REV 12-29-99) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER: STUR-35

U.S. APPLICATION NO. (If known, see 37 CFR 1.5): 09/807061

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/DE99/00697	March 13, 1999	October 7, 1998

TITLE OF INVENTION: Method For Shaping Materials With Plasma-Inducing High-Energy Radiation

APPLICANT(S) FOR DO/EO/US: Christian Kratzsch et al

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. [X] This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. [ ] This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. [ ] This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. [X] A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. [X] A copy of the International Application as filed (35 U.S.C. 371(c)(2))
   a. [X] is transmitted herewith (required only if not transmitted by the International Bureau).
   b. [ ] has been transmitted by the International Bureau.
   c. [ ] is not required, as the application was filed in the United States Receiving Office (RO/US).
6. [X] A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. [ ] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
   a. [ ] are transmitted herewith (required only if not transmitted by the International Bureau).
   b. [ ] have been transmitted by the International Bureau.
   c. [ ] have not been made; however, the time limit for making such amendments has NOT expired.
   d. [ ] have not been made and will not be made.
8. [ ] A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. [X] An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (Unsigned)
10. [X] A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. [X] An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (w/references)
12. [X] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. [X] A FIRST preliminary amendment.
    [ ] A SECOND or SUBSEQUENT preliminary amendment.
14. [ ] A substitute specification.
15. [ ] A change of power of attorney and/or address letter.
16. [ ] Other items or information:

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17. ☒ The following fees are submitted:	CALCULATIONS PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):		
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO $970.00		
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO $840.00		
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO $690.00		
International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) $670.00		
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) $96.00		
ENTER APPROPRIATE BASIC FEE AMOUNT =	$ 840.00	
Surcharge of $130.00 for furnishing the oath or declaration later than ☐ 20 ☒ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	$ 130.00	

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	10 - 20 =	0	X $18.00	$ 0	
Independent claims	1 - 3 =	0	X$80.00	$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+$270.00	$ 0	
TOTAL OF ABOVE CALCULATIONS =				$ 970.00	
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also by filed (Note 37 CFR 1.9, 1.27, 1.28).				$ 485.00	
SUBTOTAL =				$ 485.00	
Processing fee of $130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +				$	
TOTAL NATIONAL FEE =				$485.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). $40.00 per property +				$	
TOTAL FEES ENCLOSED =				$ 485.00	
				Amount to be: refunded	$
				charged	$

a. ☒ A check in the amount of $ 485.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of $_____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0221. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
Scott R. Foster
Pandiscio & Pandiscio
470 Totten Pond Road
Waltham, MA 02451-1914

SIGNATURE:
Scott R. Foster
NAME
20,570
REGISTRATION NUMBER

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Christian Kratzsch et al
For: Method For Shaping Materials With Plasma-Inducing High-Energy Radiation
Attorney's Docket No.: STUR-35

Date: April 6, 2001

BOX PCT
Assistant Commissioner For Patents
Washington, D.C. 20231

Sir:

SUBMISSION OF PATENT APPLICATION TO ENTER THE NATIONAL STAGE UNDER 35 U.S.C. 371

The attached International Application No. PCT/DE99/00697 is being submitted to enter the United States national stage under the provisions of 35 U.S.C. 371.

In addition, Applicant is submitting the following materials:

(1) a Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371;

(2) a Filing Of Patent Application Under 37 CFR 1.10, including a claim for foreign priority benefits under Title 35, United States Code, Section 119, of International Application No. PCT/DE99/00697, filed March 13, 1999 and German Patent Application No. 198 46 191.7, filed October 7, 1998;

(3) a copy of the International application as filed, together with an English language translation thereof;

(4) an unsigned Declaration and Power of Attorney;

(5) a copy of the original PCT request;

(6) a copy of the International Search Report, together with an English language translation thereof;

(7) a copy of the International Preliminary Examination Report, together with an English language translation thereof;

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(8) a Preliminary Amendment;

(9) an Information Disclosure Statement, with references; and

(10) a check in the amount of $485.00 in payment of the application fees.

Please direct all communications in this matter to the undersigned attorney.

Thank you.

Respectfully submitted,

Scott R. Foster
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DATE OF DEPOSIT 4/6/01

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Scott R. Foster
(PERSON MAILING)

(SIGNATURE)